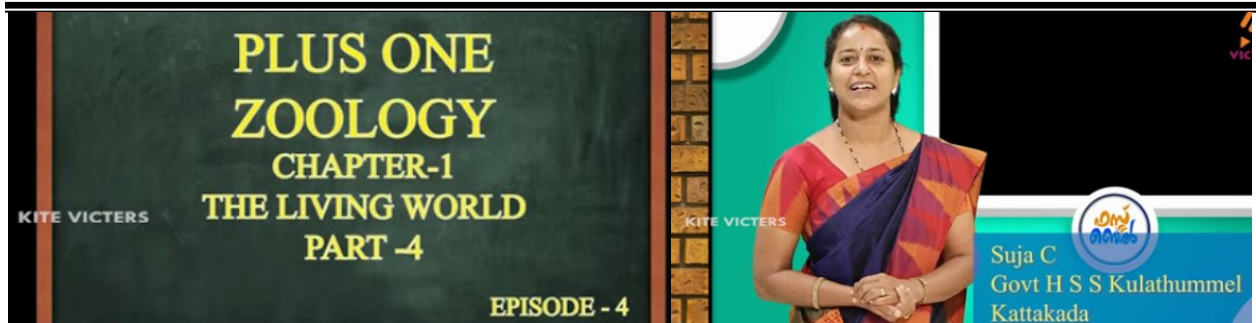


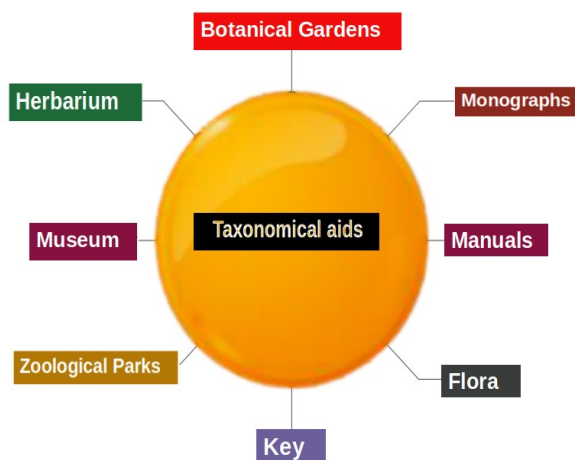
KITE VICTERS Plus one Zoology
Living World : Class 04 (First Bell-ഫസ്റ്റ് ബെൽ) 11/12/20

For viewing the class click the link below
<https://www.youtube.com/watch?v=Eok6o6gaXpo>



Taxonomical aids

- axonomical aids help to identify the species, helps to place the organism in taxonomical hierarchy and also to store the specimen for future use.
- Taxonomical aids such as herbarium, museum, botanical Gardens, zoological parks, keys, Flora, Manuals, Monographs etc are used for taxonomical studies.



Herbarium

- Herbarium is a store house of collected plant specimens that are dried, pressed and preserved on sheets.
- Herbarium sheets are arranged according to universally accepted system of classification.
- These specimens become a store house for future use and serve as a quick referral system in taxonomy.
- The herbarium sheets carry a label providing information about date and place of collection, English, local and botanical names, collector's name etc.

Botanical Gardens

- Botanical gardens are specialized gardens which have collections of living plants for reference.
- Plant species in these gardens are grown for identification purposes.
- Each plant is labeled indicating its botanical / scientific name and its family.
- The famous botanical gardens are at **Kew (England), Indian Botanical Garden-Howrah (India), and at National Botanical Research Institute (Lucknow).**

Museum

- Museums are places where plant animal specimens are preserved for study and reference.
- Specimens are preserved in the containers or jars in the preservative solutions.
- Plant and animal specimens are also preserved as dry specimens.
- Insects are preserved in insect boxes after collecting, killing and pinning.
- Larger animals like birds and mammals are usually stuffed and preserved.
- Museums also have collections of animal skeletons.

Zoological Parks

- These are the places where wild animals are kept in protected environments under human care.
- This helps to learn about the behavior of animals and also their food habits.
- In zoological parks, we provide a natural habitat to the animals.
- These parks are commonly called zoos.

Key

- Key is a taxonomical aid used for identification of plants and animals based on their similarities and dissimilarities.
- The keys are based on the contrasting characters generally in pair called **couplet**.
- Each statement in a key is called a **lead**.
- Separate taxonomic keys are required for each taxonomic category such as family, genus and species for identification purposes.
- Keys are generally analytical in nature.

Flora

- Flora contains the actual account of habitat and distribution of plants of a given area.
- These provide the index to the plant species found in a particular area.

Manuals

- Manuals are useful in providing information for identification of names of species found in an area.

Monographs

- Monographs contain information on any one taxon.

Assaignment

Prepare herbarium sheets of at least two plants in your area.

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